IW1000

USER MANUAL FOR PARROT PRODUCTS INTERACTIVE WHITEBOARD SYSTEM

PARROT PRODUCTS

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INTRODUCTION

The ultimate plug and play portable interactive whiteboard solution

The Parrot Products FreePoint is a fully featured interactive system that transforms any flat surface (such as a wall) or Parrot Products Non-reflective Board into an interactive whiteboard.

It requires NO signal receiver or device to be attached onto the projection area making it fully portable between classrooms.

Transform your office / classroom wall into a huge touch screen

Integrated optical position detection technology supports interactivity on hard non-reflection projection surfaces of any size, up to an amazing 3,8 meters diagonally!

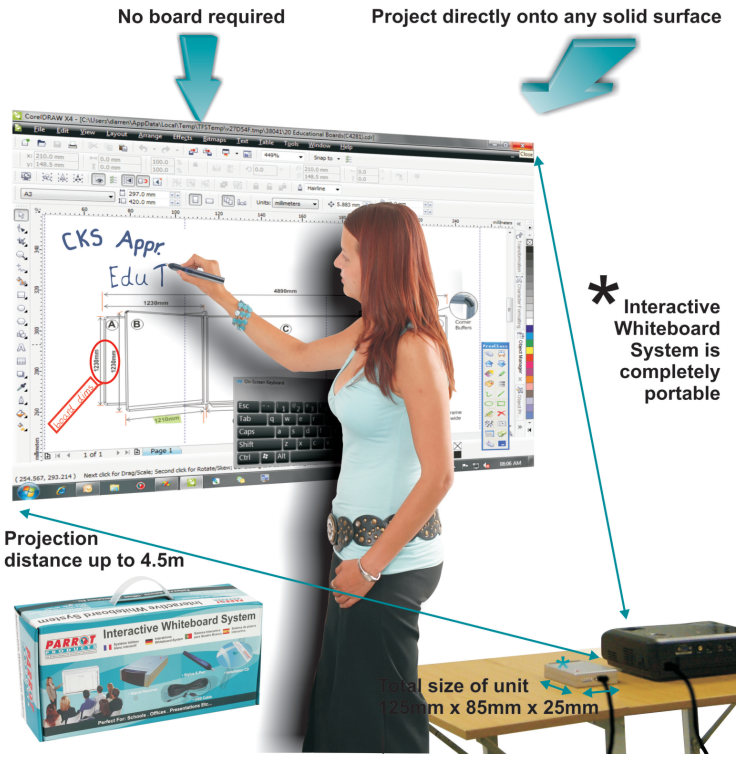
No battery is required for the USB signal receiver and the unit can be mounted to the ceiling if a permanent solution is required.

Working with the Parrot Products Stylus E-Pen, you and your students can explore internet websites, use digital e-Content, build interactive flipcharts and create more opportunities for discussions and interaction in the classroom.

Powerful, high definition and superior stability

The parrot products FreePoint is designed to deliver superb and reliability in interactive writing on hard surface projection screens. It is also packed with new features such as superior resistance to ambient lighting, sophisticated new styling, and newly updated software and tools. With the signal receiver installed and first position calibration implemented, no further calibration is required even when connected to another PC/Laptop.

The Parrot Products FreeClass software (included) features quick notebook mode, movable toolbar, interactive screen keyboard, spotlight, screen shade and annotation functions.


No board required
Project directly onto any solid surface
* Interactive Whiteboard System is completely portable
Projection distance up to 4.5m
Interactive Whiteboard System
Total size of unit
125mm x 85mm x 25mm

PACKAGE CONTENTS

Component	Quantity
Signal Receiver	1
Stylus E-Pen	1
Replacement Tips for Stylus E-Pen	2
Battery AA	2
Parrot Products FreeClass Software (On CD) *	1
Driver (On CD) *	1
Instruction Manual (On CD)	1
Ceiling Mounting Bracket	1
15m RS-232 to USB Cable	1
Carry Bag	1

*Visit the link below for up to date drivers and Software
http://www.parrotproducts.biz/(S(t43032ezs34euvmvb1yvayja))/default.aspx#interactivewhiteboards

SPECIFICATIONS

Signal Receiver	
Optical Detection Technology	Infrared
Active Area (max project size)	3,8meters / 150" diagonal
Horizontal Reception Angle	38 +/- 2 degrees
Adjustable Vertical Reception Angle	0-30 degrees
Position Calibration	Optical Indication Positioning
Active Distance (from projection screen)	1.5 - 4.5m
Connectivity Interface	USB2.0 (3m) & RS-232
Resolution	Within 1 pixel jitter at centre for display resolution of 1024x768
Power Consumption	Less than 800mW
Weight	200g
Dimension	150x105x32mm (5,91"x4,13"x1,26")

Stylus E-Pen	
Light Emitted	Infrared
Pen Tip Trigger Switch	Pressure Sensing
Control buttons	1 Button
Power Requirement	Battery AA x2
Working Current	40-50 milli Amp
Pen Body Dimension	Length: 172mm (6,77") Diameter: 19mm (0,75")
Pen Body Weight	60g (excluding batteries)

System Requirements

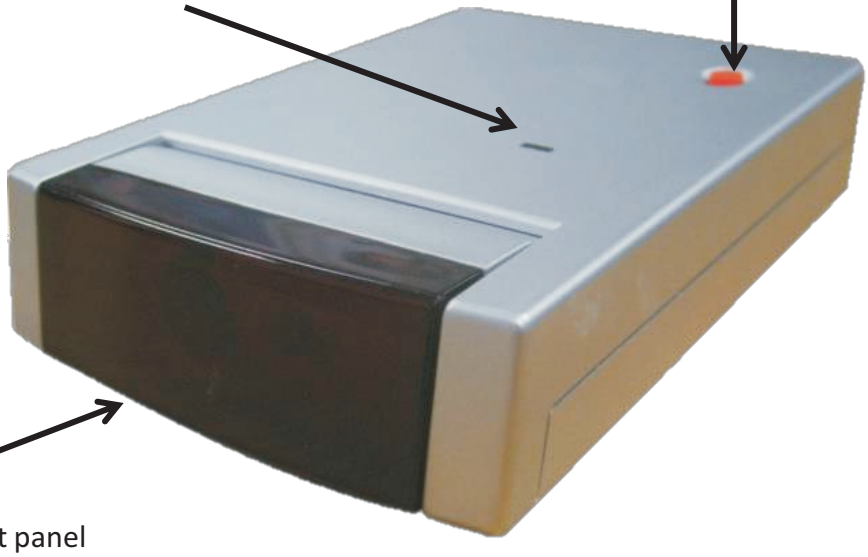
Operating System Required	Microsoft Windows 2000 / XP / Vista / 7
Processor Type	Intel Pentium or above
RAM Size	512MB (1GB Recommended) or above
Minimum Hard Drive Space	100MB

Works with 32 & 64-bit operating systems

ASSEMBLING THE SYSTEM PARTS

Positioning Beam button

Signal Indicator



Angle adjustable front panel

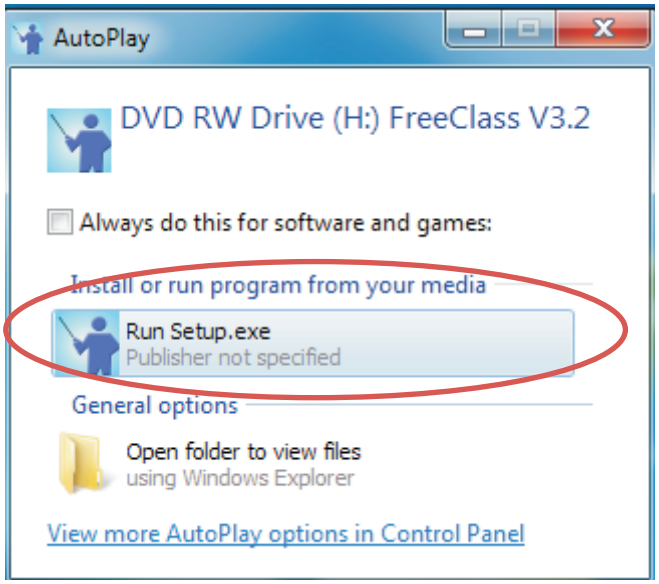
Connect A to PC and B to Interactive Whiteboard Signal Receiver

E-Pen Assembly

INSTALLATION OF PARROT PRODUCTS FREECLASS SOFTWARE

Installation of the Parrot Products Interactive Whiteboard System Software

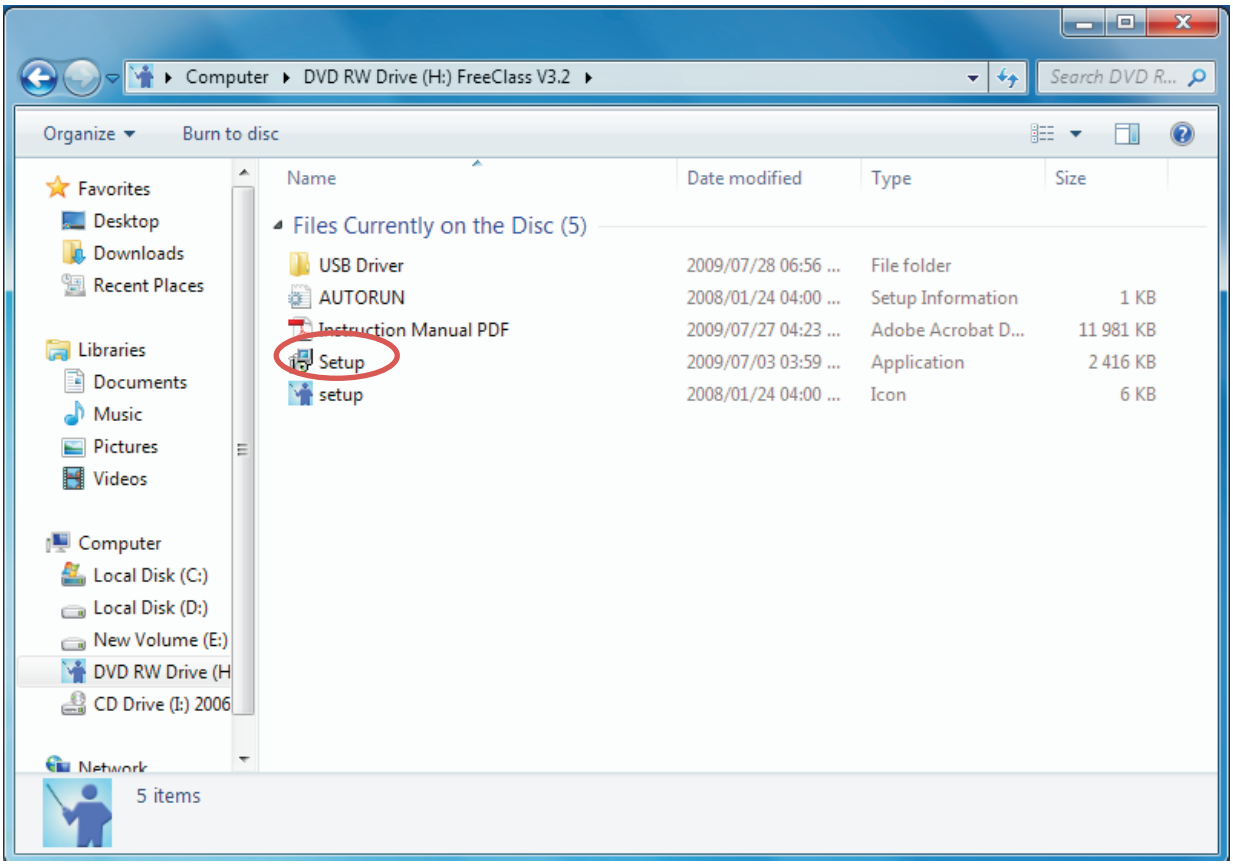
Insert the Driver CD into the computer's CD/DVD drive. The following window should appear automatically (Picture 1). Select **Run Setup.exe**


AutoPlay
DVD RW Drive (H:) FreeClass V3.2
Always do this for software and games:
Install or run program from your media
Run Setup.exe
Publisher not specified
General options
Open folder to view files
using Windows Explorer
View more AutoPlay options in Control Panel

Picture 1

If the screen (Picture 1) does not automatically appear, follow these instructions

- Go to **Start** – **Computer** – **CD/DVD Drive** – **Right Click** – **Select open** – The following screen (Picture 2) will appear. Select the **Setup** file and double click

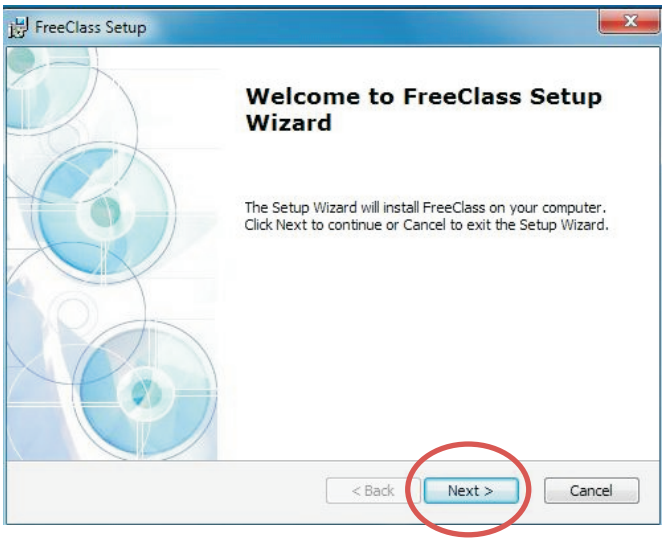


Picture 2

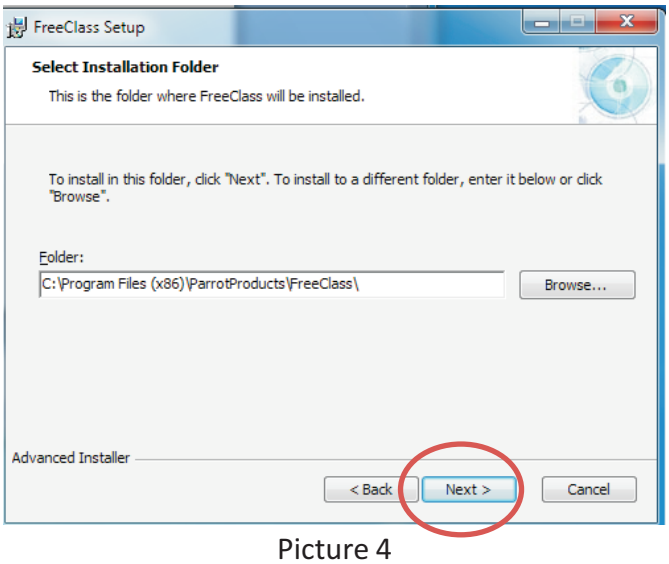
Images based on
Windows 7

INSTALLATION OF PARROT PRODUCTS FREECLASS SOFTWARE

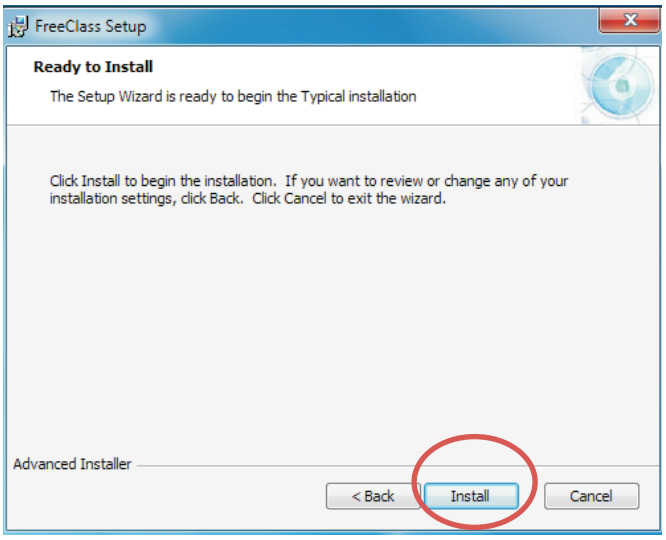
The Following screen (Picture 3) will appear. Then just follow the on screen instructions as below (Picture 4-6)


FreeClass Setup
Welcome to FreeClass Setup Wizard
The Setup Wizard will install FreeClass on your computer. Click Next to continue or Cancel to exit the Setup Wizard.
< Back
Next >
Cancel

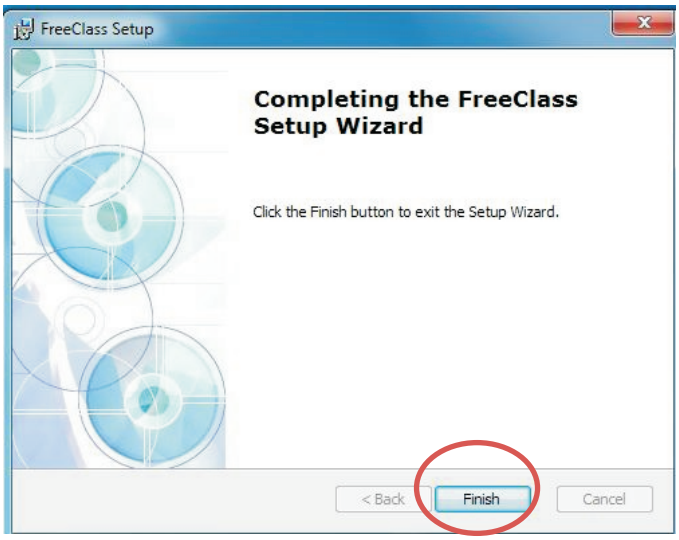
Picture 3


FreeClass Setup
Select Installation Folder
This is the folder where FreeClass will be installed.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
C:\Program Files (x86)\ParrotProducts\FreeClass\
Browse...
Advanced Installer
< Back
Next >
Cancel

Picture 4


FreeClass Setup
Ready to Install
The Setup Wizard is ready to begin the Typical installation
Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
Advanced Installer
< Back
Install
Cancel

Picture 5



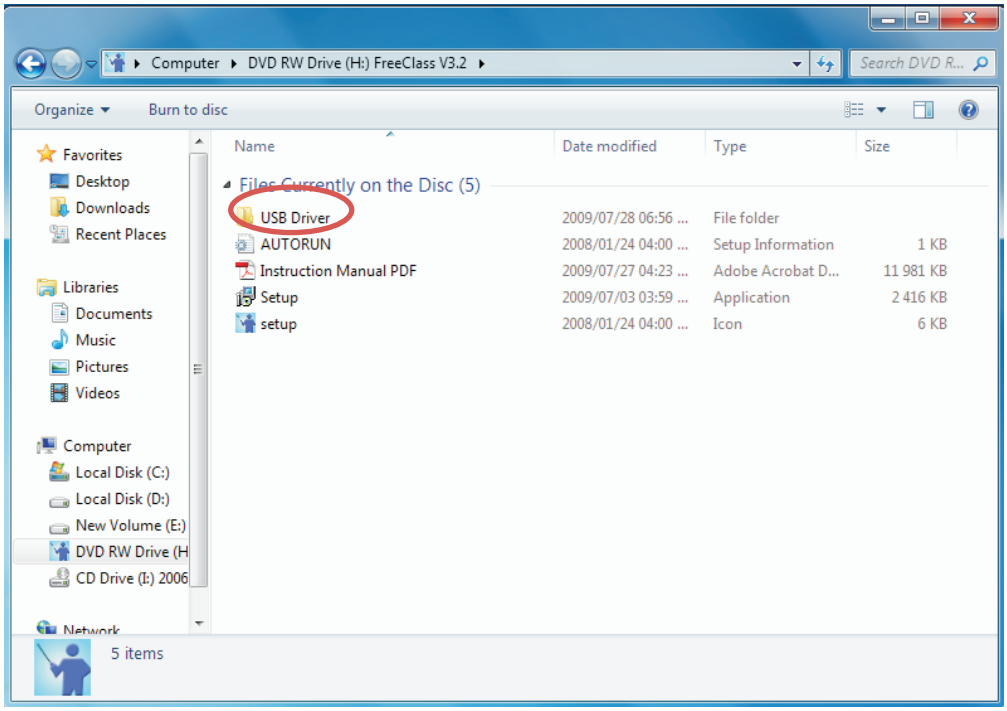
Picture 6

INSTALLATION OF PARROT PRODUCTS FREECLASS SOFTWARE

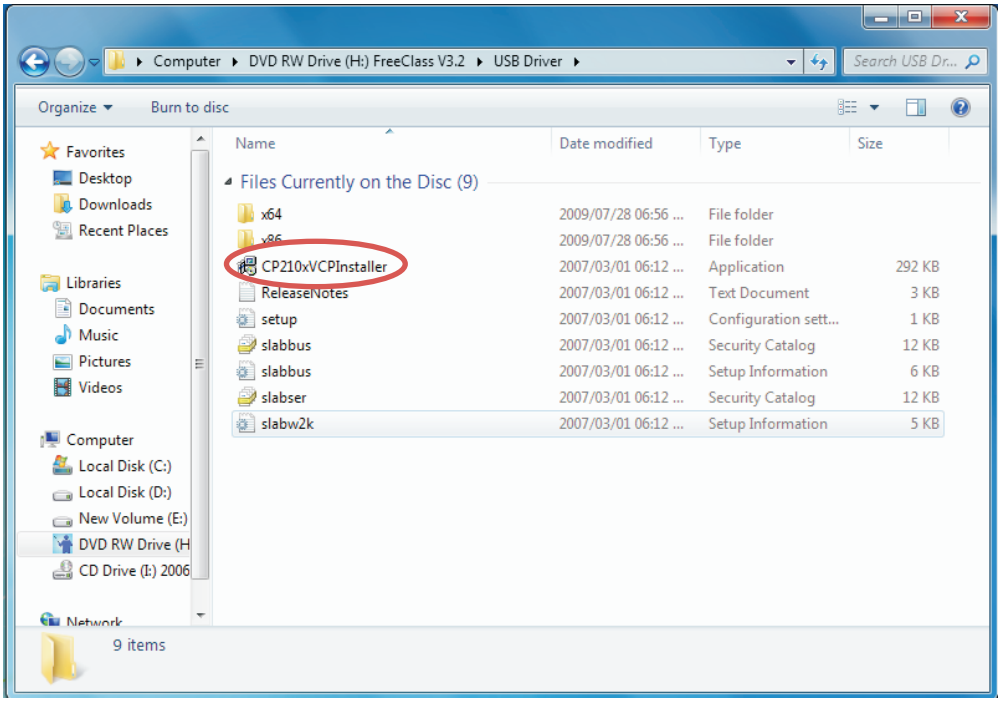
Driver Installation

Before Connecting the signal receiver to the computer you have to run the driver setup.

- Go to **Start** – **Computer** – **CD/DVD Drive** – **Right Click** – **Select open** – The following screen (Picture 7) will appear. Open the **USB Driver** folder – Once the folder is open you should see the screen (Picture 8) – Double click the **CP210xVCPInstaller** file

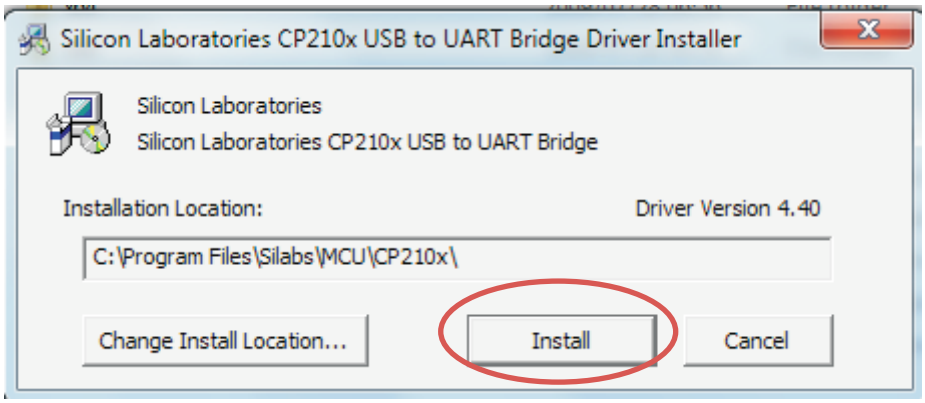


Picture 7



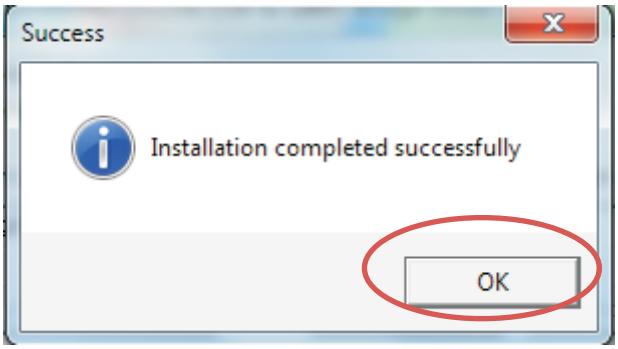
Picture 8

The following screen will appear (Picture 9) – Select **Install**



Picture 9

Once installation is completed the following screen will appear (Picture 10) – Just click **OK**

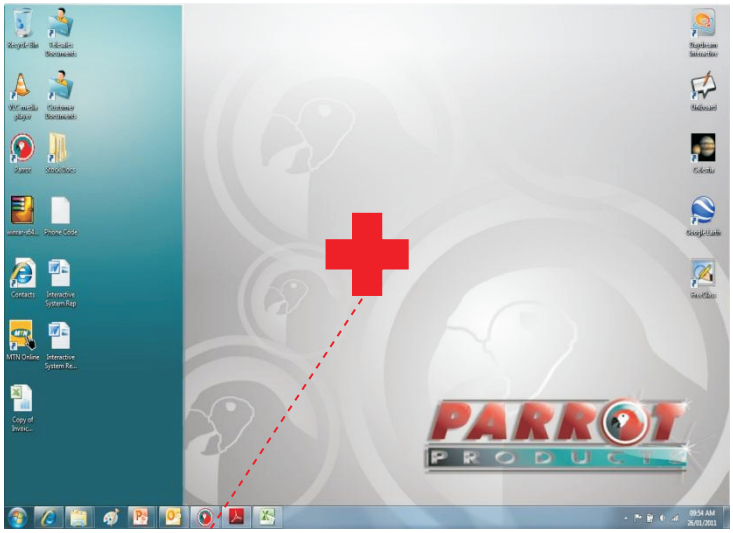


Picture 10

INSTALLATION OF SIGNAL RECEIVER

Position the Projector at a distance of approximately 1.2 to 1.5 times away from the surface onto which you are projecting. Place the signal receiver next to the projector.

Press the red button on top of the receiver; a positioning beam (Laser) will be emitted by the signal receiver. Direct the LED light (Laser) to the point at the centre of the projection surface (as shown in Picture 11)



Picture 11

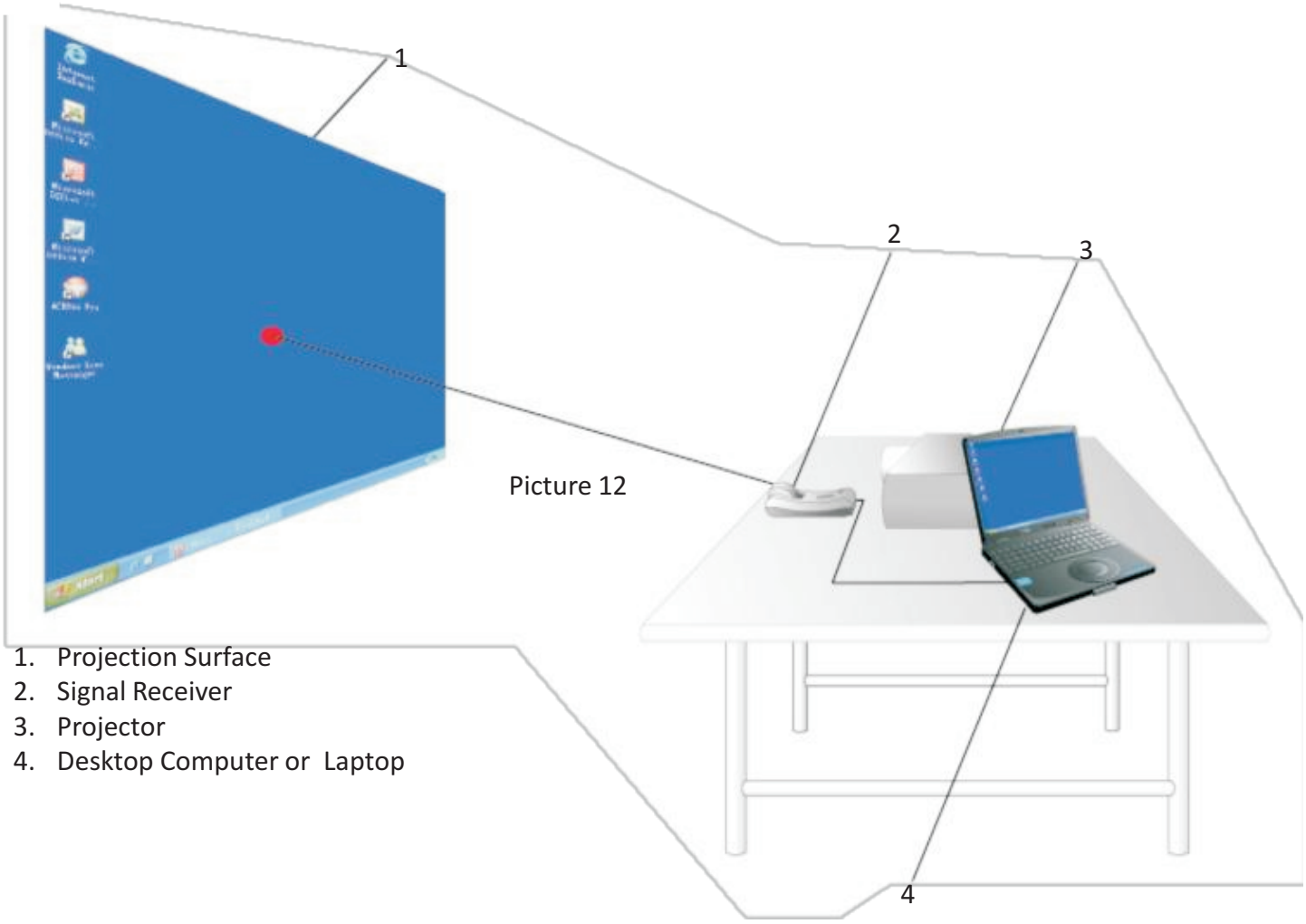
Note: To achieve the best interactivity performance, avoid blocking the signal path when using the system

Recommended Signal Reception Range	
Projection Size	**Distance between Receiver and Projection Surface**
1625mm (63,98")	2,0 - 2,5m (78,74" - 98,43")
2500mm (98,43")	2,5 - 3,0m (98,43" - 118,11")
3000mm (118,11")	3,0 - 3,5m (118,11" - 137,80")
3800mm (149,61")	4,0 - 4,5m (157,48" - 177,17")

INSTALLATION OF SIGNAL RECEIVER

Desktop (Mobile) Installation

Place the signal receiver on desk top at a distance of approximately 1.5 times of the width of the projection image, on top of or next to the projector. Adjust the position of receiver and the angle of the receiver's reception panel to direct the positioning beam onto the centre of the projection surface



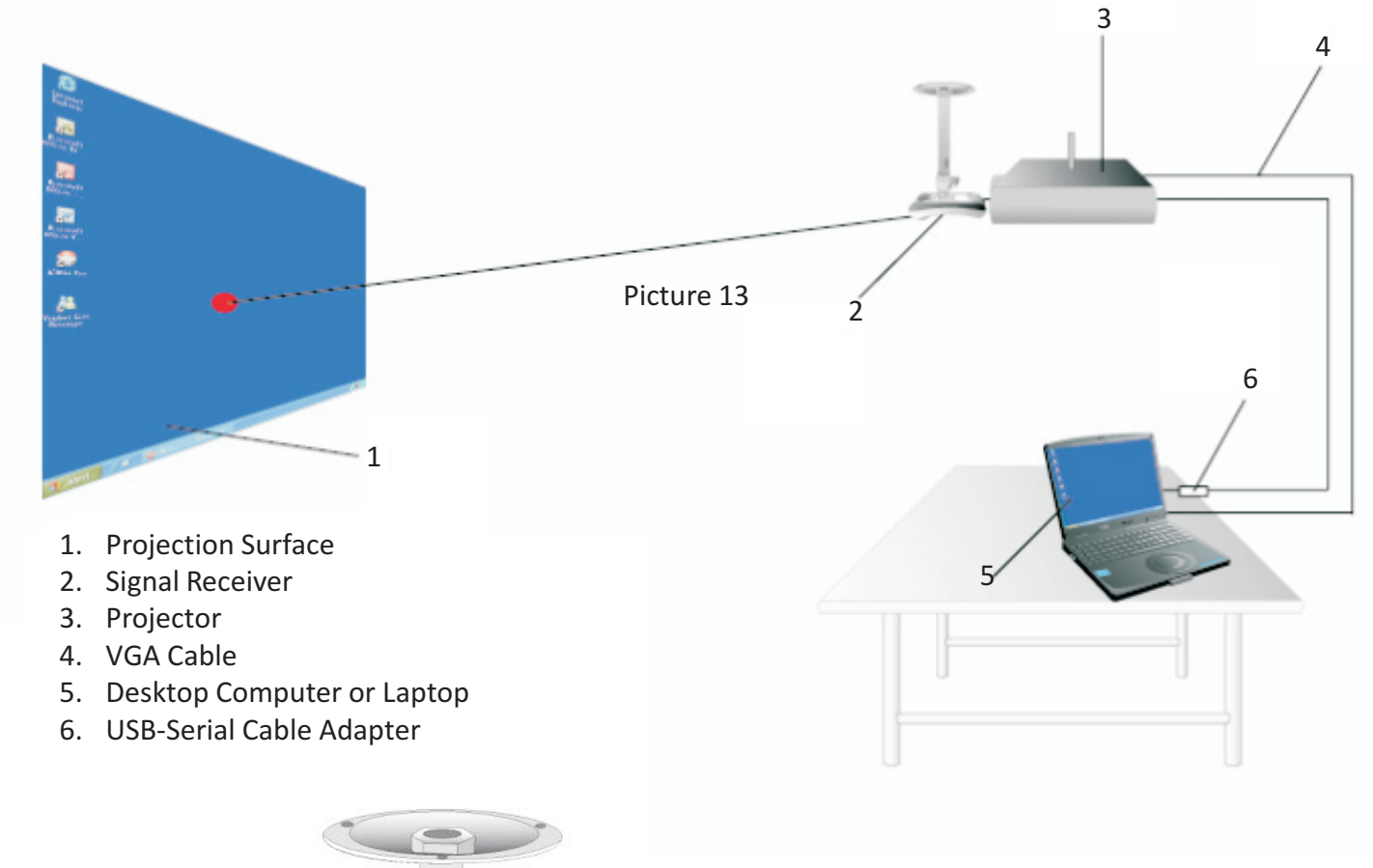
Picture 12

1. Projection Surface
2. Signal Receiver
3. Projector
4. Desktop Computer or Laptop

INSTALLATION OF SIGNAL RECEIVER

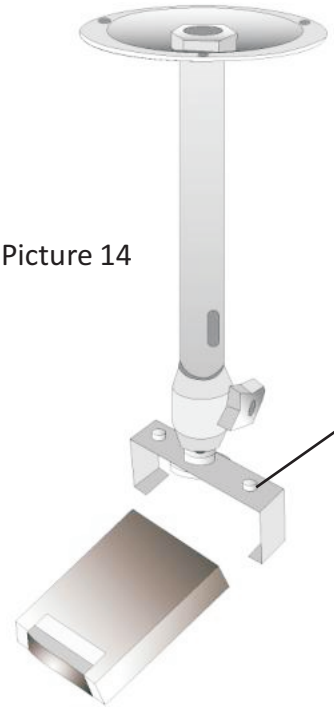
Ceiling Mounted Installation

Install the signal receiver onto the ceiling with supplied mounting bracket and extended cable. Adjust position of the receiver and angle of receiver's reception panel to direct positioning beam onto the centre of the projection surface



Picture 13

1. Projection Surface
2. Signal Receiver
3. Projector
4. VGA Cable
5. Desktop Computer or Laptop
6. USB-Serial Cable Adapter



Picture 14

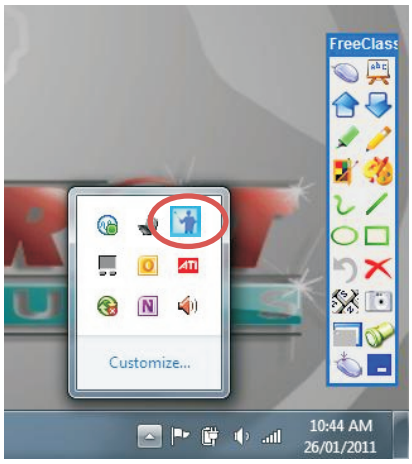
Position Signal Receiver and tighten screws

PARROT PRODUCTS FREECLASS SYSTEM TRAY MENU

To open Parrot Products FreeClass Software you can you the shortcut located on your desktop. See shortcut Icon (Picture 15)

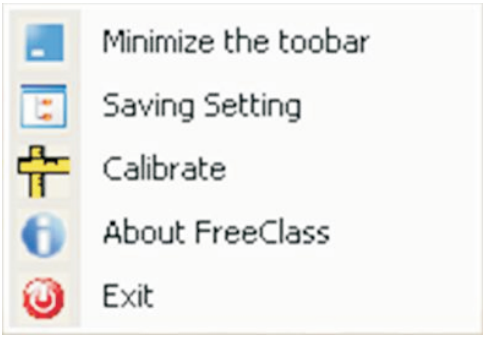
Picture 15

After running Parrot Products FreeClass Software, an Icon ‘ ‘ can be found on the system tray toolbar (Picture 16)



Picture 16

Click or right click the icon. A menu will pop up. (Picture 17)



Picture 17

Minimize the toolbar

Saving Setting: Select file saving path and the format of screen capturing

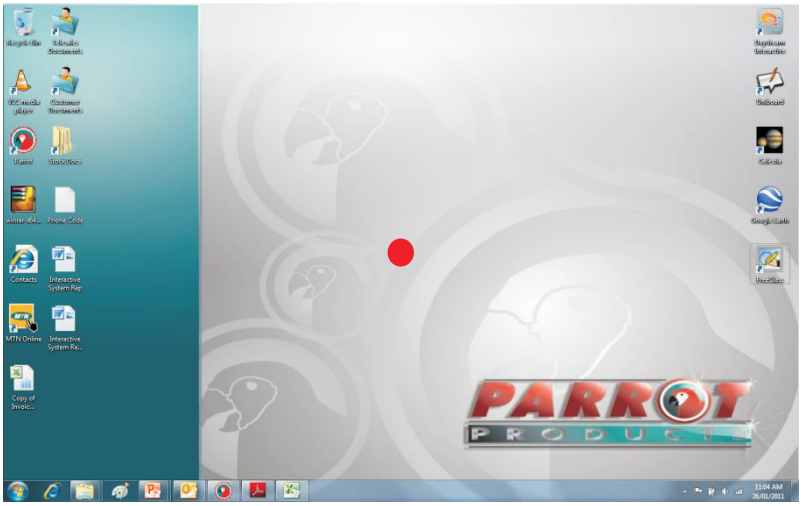
Calibrate: refer to position calibration

About: Parrot Products FreeClass info, connection status and system hardware’s serial numbers HSN

Exit

POSITION CALIBRATION

Position calibration is necessary for the first use of Parrot Products FreeClass or when calibration is not accurate in subsequent use. Check the reception range of signal receiver before executing position calibration

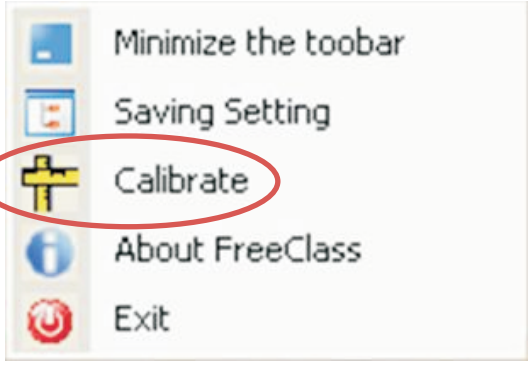


Picture 18

Start the Parrot Products FreeClass Program

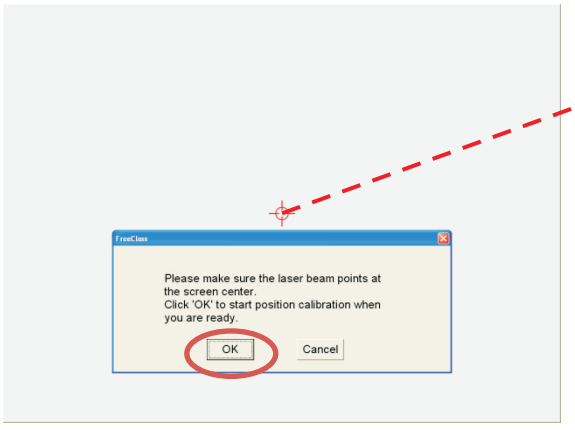
Start > All Programs > FreeClass

The icon ‘ ‘ will appear in the system tray toolbar. Right click the ‘ ‘, and select ‘Calibrate’ (Picture 19)



Picture 19

The following screen (Picture 20) will appear. By pressing the red button on the signal receiver position the red (laser) light in the middle of the screen. Then press **OK**


Centre red (laser) light here
FreeClass
Please make sure the laser beam points at the screen center.
Click 'OK' to start position calibration when you are ready.
OK
Cancel

Picture 20

POSITION CALIBRATION

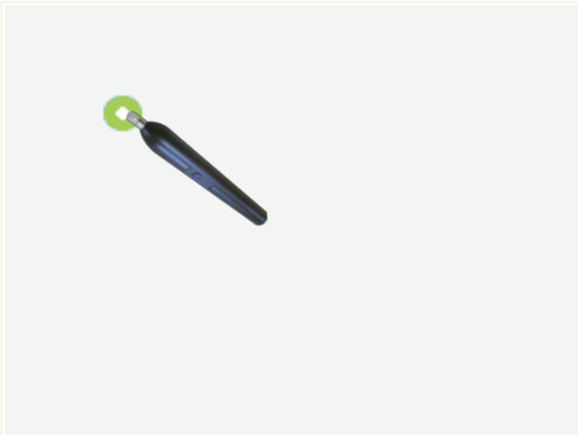
A green dot will appear in the top left hand corner of the projection area. This indicated the start of the position calibration routine (this may take a moment to appear, look carefully for it as it may be obscured by other information). Position the Parrot Stylus E-Pen's pen tip at the centre of the green dot (on the projection area) and press down the pen. The green dot will turn black and more green dots will appear. A total of 12 green dots will appear. (See Picture 21 – 23)

Picture 21

Calibration is in progress, please do not move the receiver.
After the green dot appears, place your E-pen tip at the center of the dot,
press the pen button for about 1 second till the dot turns black.
Repeat the above steps until the last dot on the bottom-right corner.
(If there are more than one button on the pen, the button refers to the
biggest one.)
To abort, left-click your mouse or press Esc on keyboard.

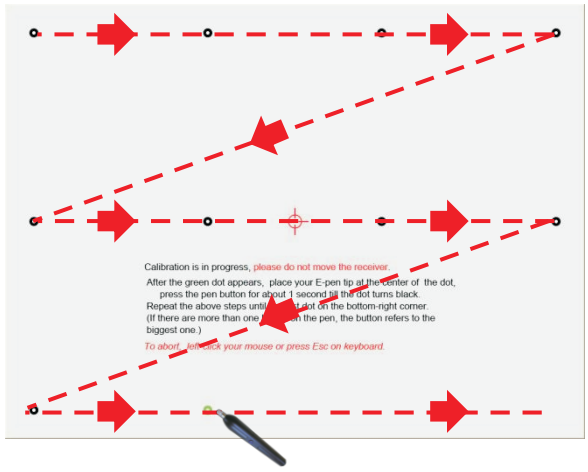
First green dot will appear

Picture 22



Position Stylus E-Pen and press down

Picture 23


Calibration is in progress, please do not move the receiver.
After the green dot appears, place your E-pen tip at the center of the dot,
press the pen button for about 1 second till the dot turns black.
Repeat the above steps until the last dot on the bottom-right corner.
(If there are more than one button on the pen, the button refers to the
biggest one.)
To abort, left-click your mouse or press Esc on keyboard.

Continue this step with all 12 green dots

Once Complete, the signal receiver will beep once. This indicates the completion of the position calibration.

The Parrot Products Interactive Whiteboard System is now ready for use

Note: If you wish to re-calibrate, just go to the system tray and select calibrate. Then follow above steps again.

PARROT PRODUCTS STYLUS E-PEN

The Parrot Products Stylus E-Pen features a large button design for operational function (normally it functions as the mouse left button). Function is to be executed by pressing the operational button. The Stylus E-Pen's tip is pressured triggered and functions in the same way as the operational button. Once triggered, operations can be implemented via the stylus E-Pen's pen tip, requiring no further use of the operational button. It is recommended to hold the stylus E-Pen at a certain angle to the projection surface when writing so as not to block the signal with your hand.

Interactive Mode

Pen tip works as a Left mouse click

Button works as a mouse Right click *

Annotation Mode

Pen tip now work as a writing pen or as the function you selected

Button has no use **

Whiteboard Mode

Pen tip now work as a writing pen or as the function you selected

Button has no use **

* Please note that on older version of FreeClass the button can work as a double click.

** Please note that on older version of FreeClass the button can work as a air write button

OPERATION OF THE PARROT PRODUCTS STYLUS E-PEN

The Stylus E-Pen is pressure triggered and functions as a mouse left click when pressed

Hold the Stylus E-Pen at an angle of 30 – 45° to the projection surface to implement annotation

The pen tip of the Stylus E-Pen is very delicate and will wear over a period of time. Replacement tips are available

Should the Stylus E-Pen light up continuously while writing, slightly tap the pen the with your hand to return it to its normal position

The Stylus E-Pen functions via optical signals. It is important to make sure there is no strong or direct light (e.g. sunlight) on the projection area or the reception panel of the signal receiver when using the system. Signal communication can be abnormal when the USB cable is to long and extends over the communication standard. Instead use a USB with power source or a USB adapter with a power source and connect to an extension USB cable.

PARROT PRODUCTS FREECLASS SOFTWARE

The Parrot Products FreeClass program brings superb interactivity to the Parrot Products Interactive Whiteboard System by performing various versatile functions under the **Interactive mode** , **Annotation mode** , and **Whiteboard mode**

Interactive mode:

The Stylus E-Pen functions as a mouse on the projection area with function like double click, single click and drag and drop. To use, simply click on the Interactive mode button on the toolbar menu.

The interactive mode allows you to browse the internet, work on Microsoft Office (Word, Excel, PowerPoint) and any other software by just using the Stylus E-Pen

Parrot Products FreeClass offers you an On-Screen keyboard, for typing, making only use of the Stylus E-Pen

Annotation mode:

Parrot Products FreeClass offer powerful writing and annotating tools such as drawing, highlighting, lines and shapes such as rectangles and circles. This allows the user to highlight key points, record, and write with ease at any time. Users can also write on media graphics including video and flash. Annotation mode is a real time operation, screen function can still be operated, e.g. page scroll functions. All writings, annotations and drawing generated on the screen can be saved in image format for record.

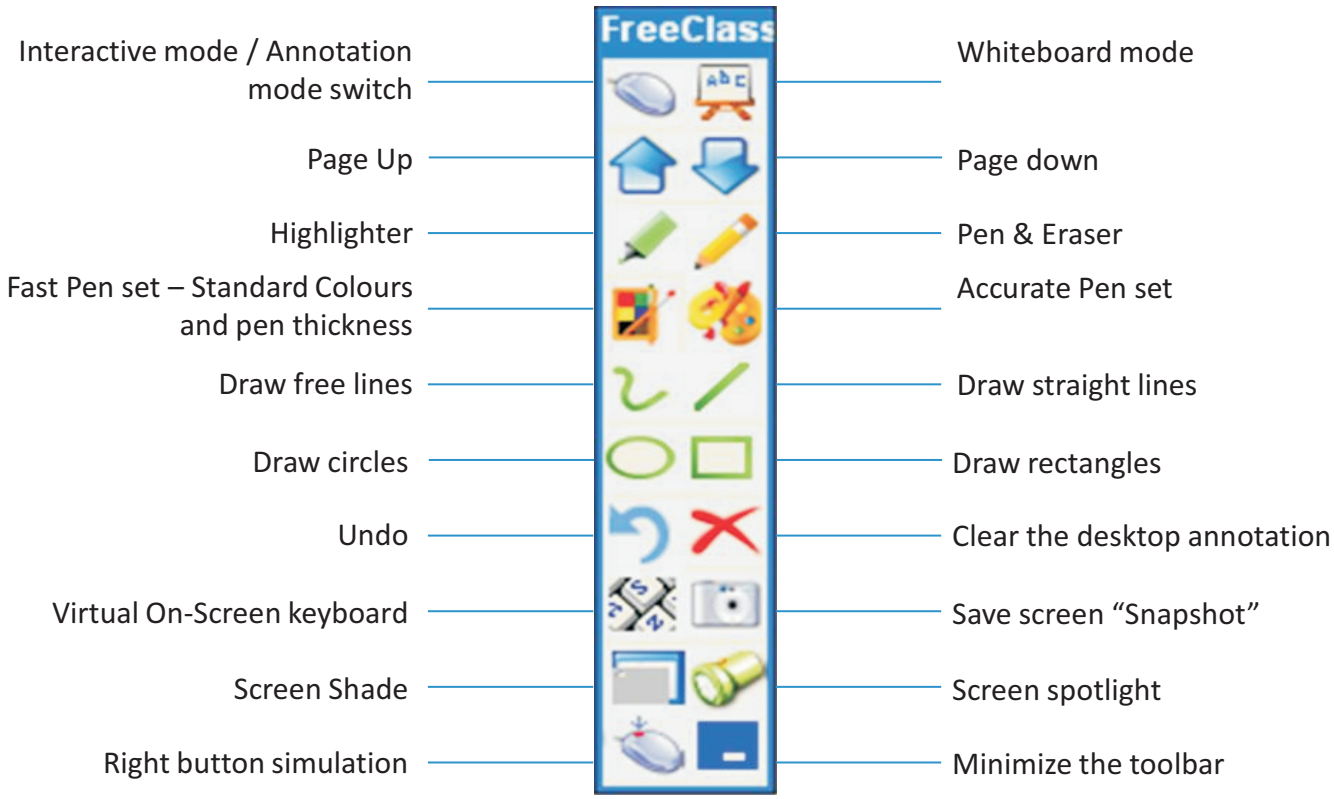
Whiteboard mode:

Whiteboard mode offers the same powerful writing tools like drawing, highlighting, lines and shapes, etc. added to this. Whiteboard mode integrates real time recording function. All contents generated on the whiteboard mode are recorded simultaneously for replay anytime. To save your recording you can save it as an .exe file format for replay without having to open FreeClass. It can be saved in different image or file formats. Whiteboard mode also provides different background pictures for selection, including current desktop background. It also offer different types of lines and music lines. Maps and your own pictures can also be uploaded into your background. ‘Undo’, ‘Redo’ and ‘View List’ are the new powerful features for easy use.

All three working modes provide various accessory tools such as screen shade, spotlight etc., enabling users to conveniently highlight key points, making teaching much more interactive.

PARROT PRODUCTS FREECLASS SOFTWARE

Interactive mode / Annotation mode



Interactive mode: E-Pen functions exactly as a mouse. Click on this icon to enter Annotation mode.

Annotation mode: E-Pen can be used to write, draw and annotate anywhere on the screen. Click on this icon to return to Interactive mode

Whiteboard mode: Click on this icon to enter Whiteboard mode. The screen instantly transforms onto an inter active whiteboard / flipchart page

Page up: go to previous page in an opened document. This is also applicable using Interactive and Annotation modes

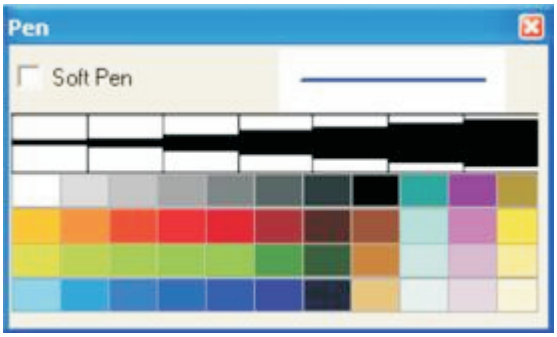
Page down: go to next page in an opened document file. This is also applicable using Interactive and Annotation modes

Highlight: Write and annotate with highlight pen effect

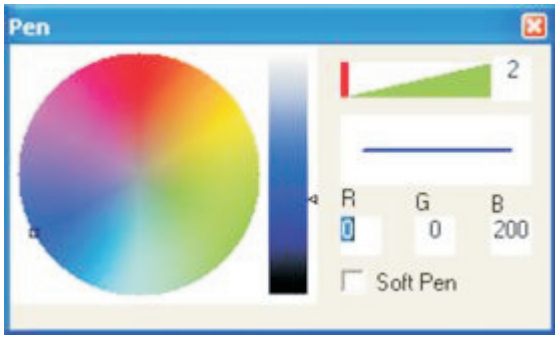
Indication of Writing mode

Indication of eraser mode
Under Eraser Mode, different erasers can be selected

Fast pen set: choose pen colour, line width and soft pen quickly



Accurate pen set: choose pen colour, pen width and soft pen in an accurate way

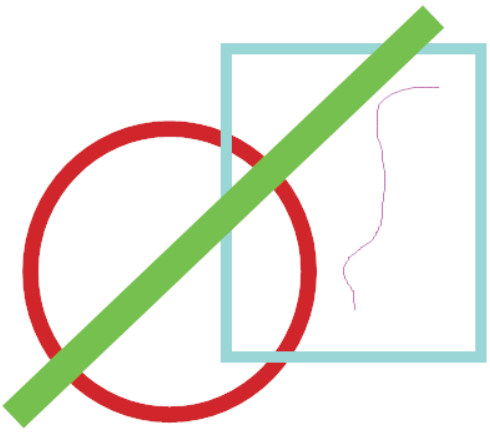


Draw free lines: write and annotate free on the screen

Draw straight lines

Draw circles

Draw rectangles



Undo: Cancel the last annotation or erase operation

Clear the desktop annotation: clear all desktop annotation and written contents
Contents cannot be recovered after screen is cleared

Virtual On-Screen keyboard

Save screen: Capture current screen and save as an image file

Screen shade: Use to cover up the screen, the shaded area and direction is free to change anytime

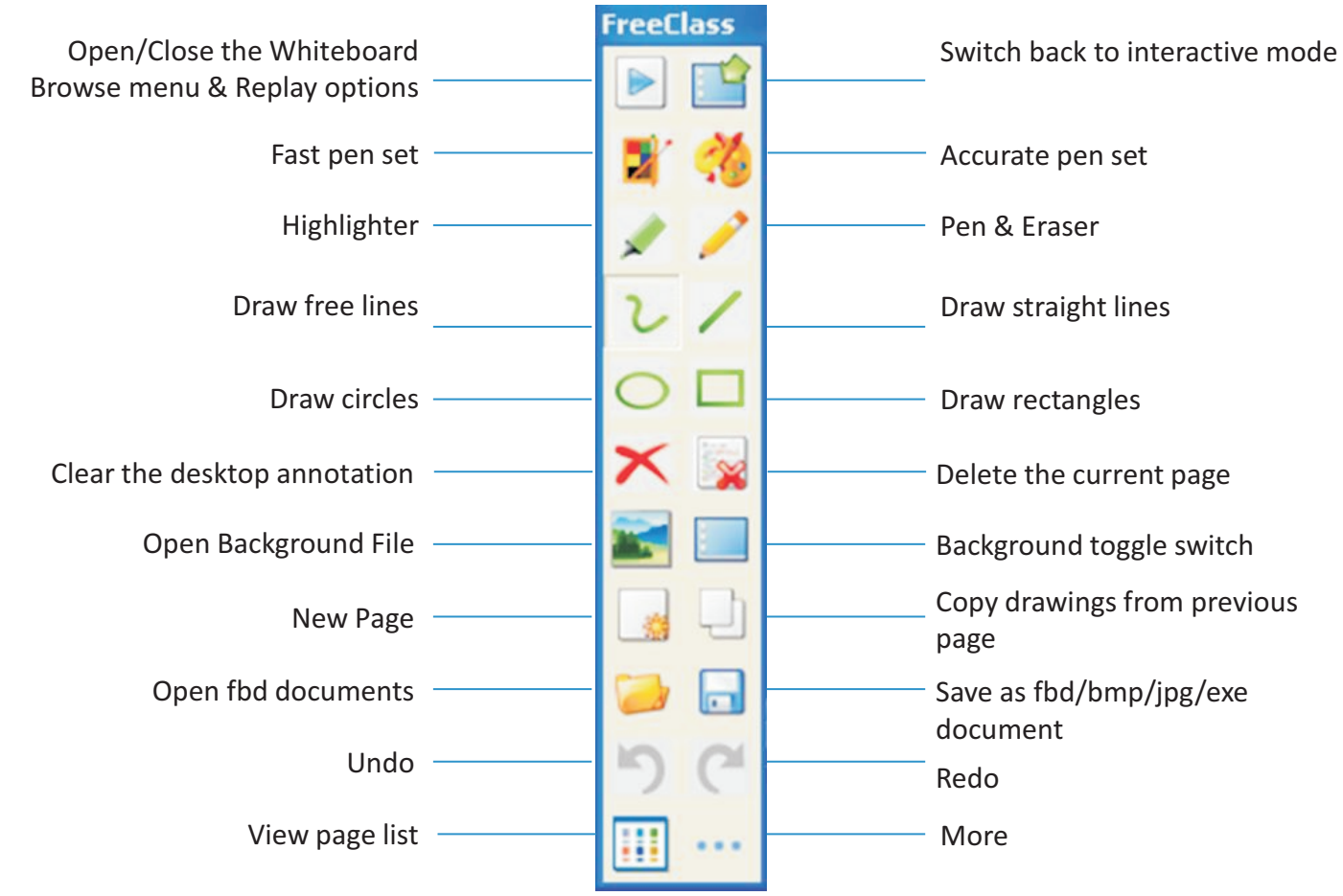
Screen Spotlight: Emphasize page content with spotlight effect – colour and transparency outside the spotlight zone can be customized

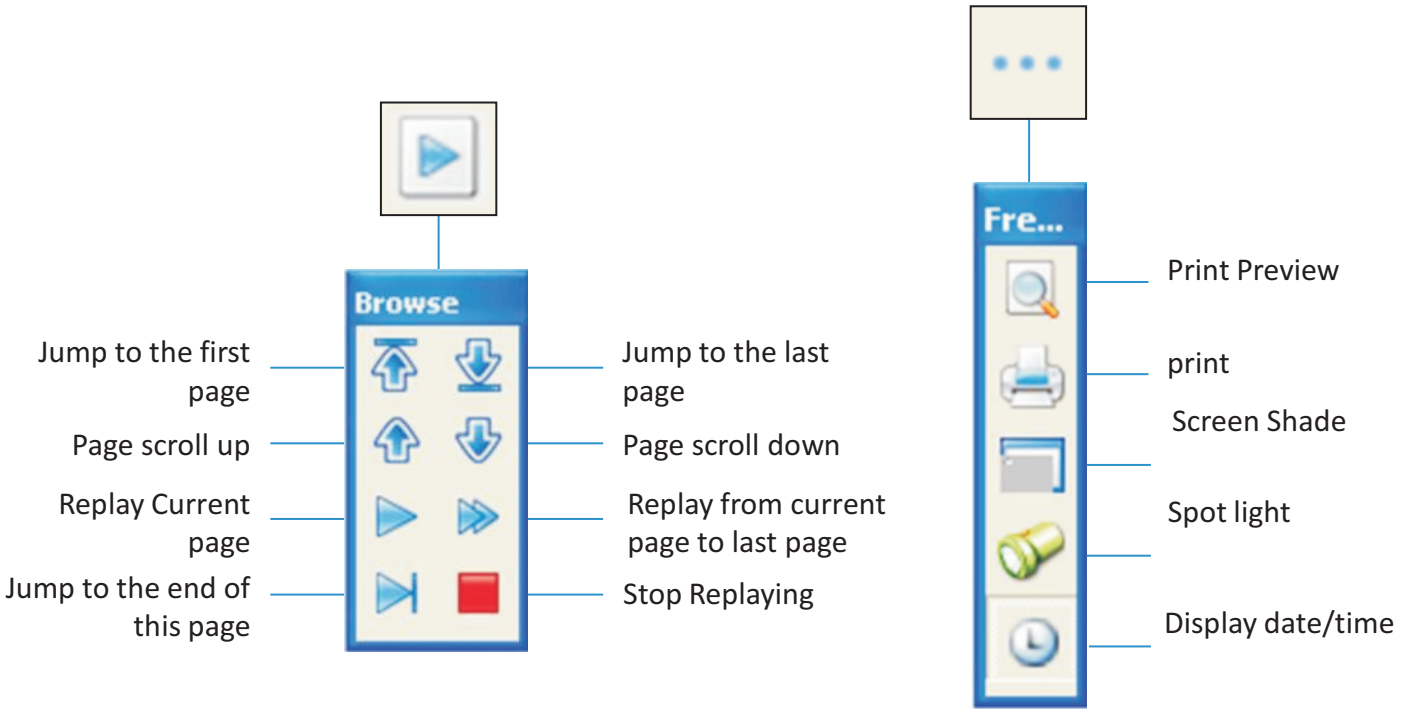
Right Button Simulation: The operational button of the Stylus E-Pen is defaulted as the left mouse button under Interactive mode. Use E-Pen to click on the ‘Right button simulation’ to switch the operational button to right click instead for one click only.

Minimize the toolbar

PARROT PRODUCTS FREECLASS SOFTWARE

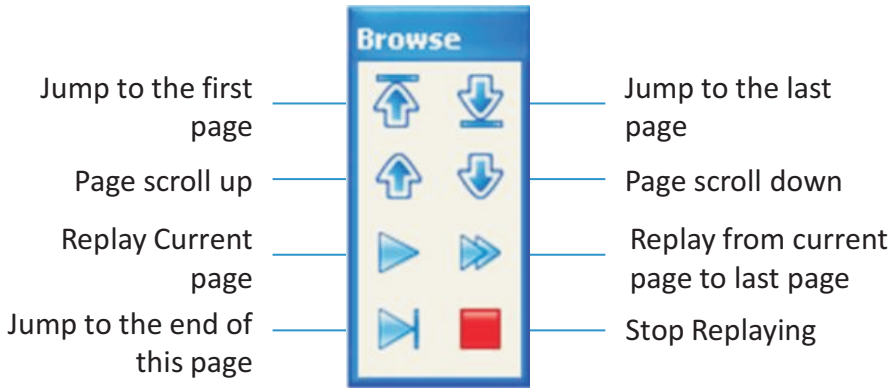
Whiteboard mode





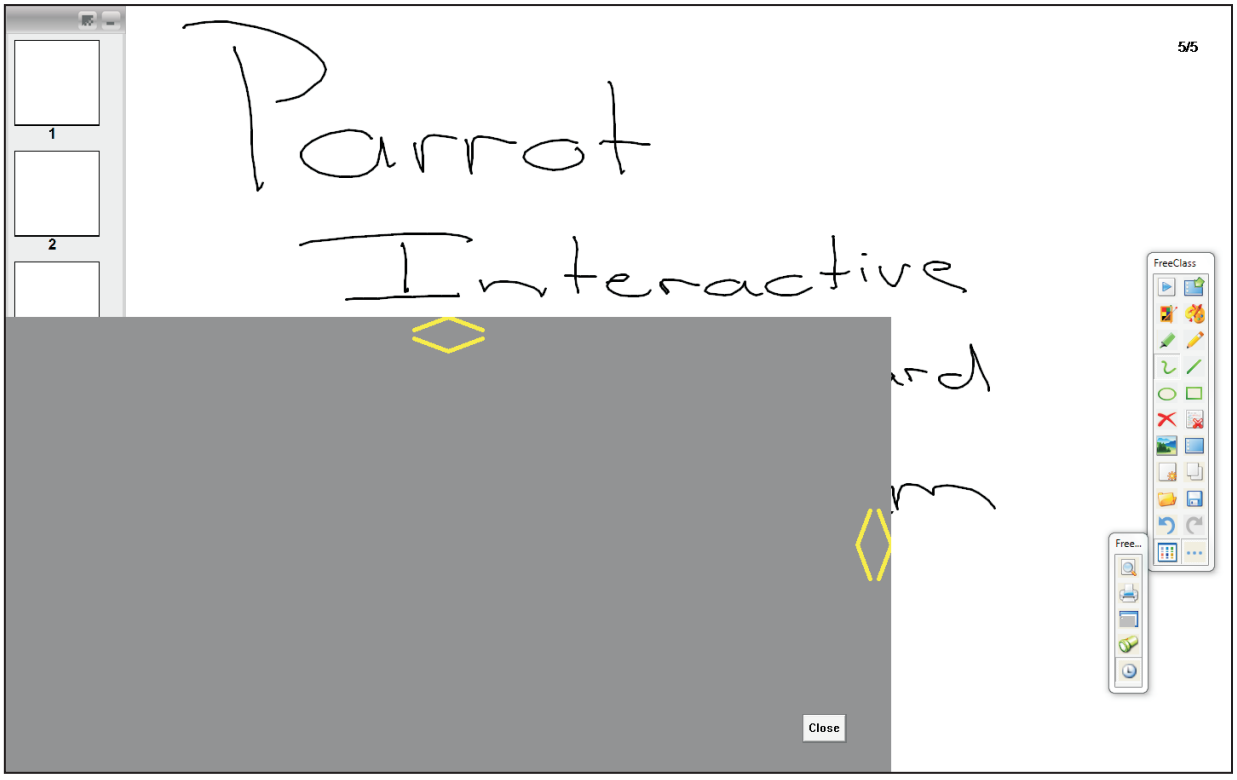
Save as an EXE file

Whiteboard documents saved as an exe file can be executed independently whiteout running the parrot products FreeClass program. Double click on the exe file to execute. This document does not support an edit function, it can only be replayed. The replay function is the same as the replay function in Parrot Products FreeClass Whiteboard mode


Browse
Jump to the first page
Page scroll up
Replay Current page
Jump to the end of this page
Jump to the last page
Page scroll down
Replay from current page to last page
Stop Replaying

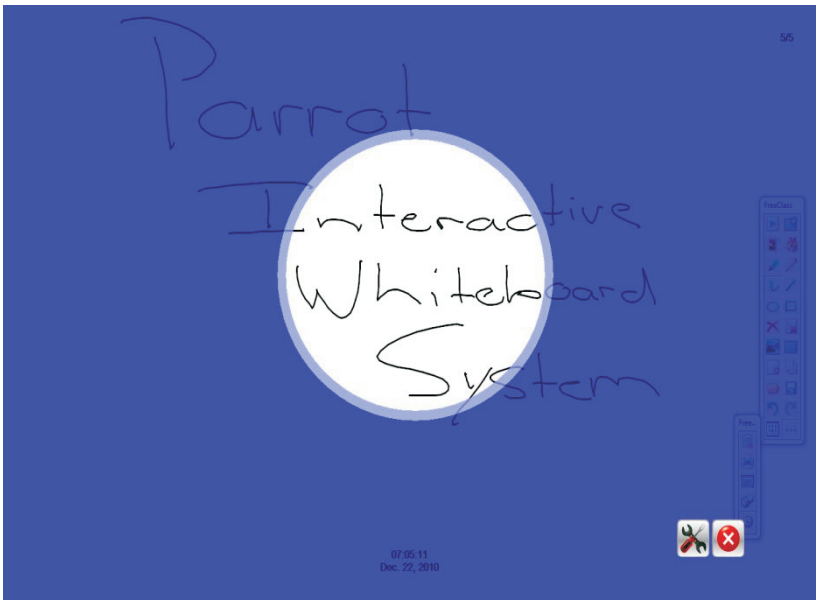
Screen Shade

Use to cover up the screen. The shaded area and direction of shade can be changed at any time. Use the Stylus E-Pen to drag vertically or horizontally, using the vertical ' ' or horizontal ' ' icons. Only one direction can be moved at a time.



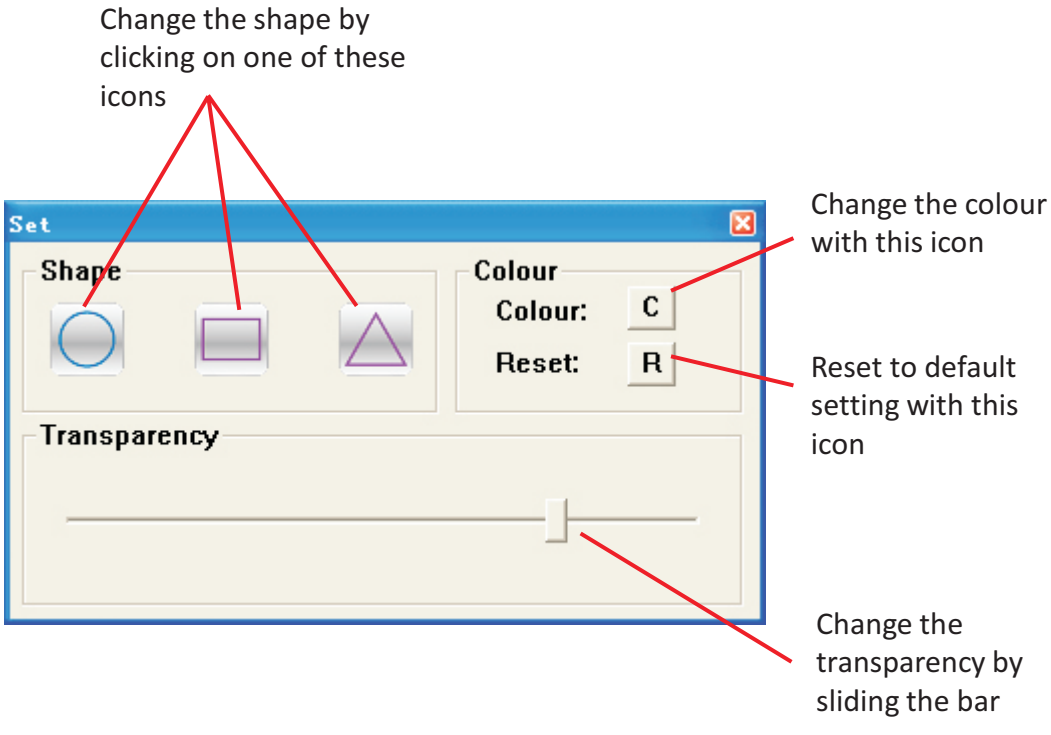
Screen Spotlight

Emphasize page content with spotlight effect – colour and transparency levels outside the spotlight zone are customizable.



Close spotlight

Spotlight settings. Click on the icon and the menu pop up as below:



CONTACT US

Thank you for purchasing the Parrot Products Interactive Whiteboard System

For all Frequently Asked Questions please see the FAQ document on your Parrot Products FreeClass CD

For up to date drivers / software / Manuals / FAQ's please visit our website @ www.parrotproducts.biz

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